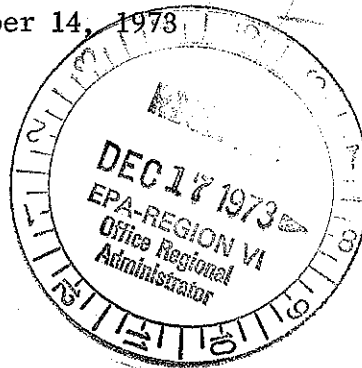


ETHYL CORPORATION

December 14, 1973



ETHYL TOWER
451 FLORIDA
BATON ROUGE, LA. 70801

Mr. Arthur W. Busch
Regional Administrator
Environmental Protection Agency
1600 Patterson Street, Suite 1100
Dallas, Texas 75201

Ref. Ocean Dumping Permit 730D009
General Condition No. 10

Dear Mr. Busch:

Pursuant to instructions in Permit 730D009 this is to report the information as required in General Condition No. 10 of the Permit for dumpings that were initiated during the six month period ending November 1973.

10a Information in the records to be kept pursuant to Paragraph 9 of the General Conditions.

- a. The material is a waste sodium-calcium sludge. The contents are solid metallic sodium, metallic calcium and oxides of these metals plus sodium and calcium chlorides. Sodium chloride is used as fill material added first to the bottom of the containing 55 gallon drum before the addition of the waste sodium calcium sludge and then to the top. The sodium chloride fills the void spaces and provides added weight to ensure sinking of the drum. Analysis are listed in Exhibit A.
- b. The precise times, dates and locations of dumping are listed in Exhibit A.
- c. No information was noted relative to the assessment of the impact of permitted dumping activities on the marine environment or human health or welfare.

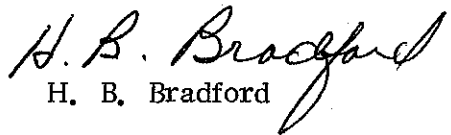
10b A summary of the 48 hour reports required by Paragraph 7 of the General Conditions is attached as Exhibit B.

Mr. Arthur W. Busch
December 14, 1973
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10c In accordance with Special Condition 5 Ethyl submitted a complete report on alternate methods of disposal to the Administrator (8/17/73) and as required by Special Condition 6 submitted reports on environmental studies (8/21/73 and 10/2/73). Please advise if an additional copy of these reports is needed.

Very truly yours,

M. J. Voorhies, Jr., Manager
Production Scheduling and Distribution

By: 
H. B. Bradford

HBB:sak
Attach.

Sodium-Calcium Sludge Chemical Analysis

	673 No. 1	773 No. 2	873 No. 3	973 No. 4	1073 No. 5	1173 No. 6
	65.9	66.4	65.4 66.0	66.0	66.7	64.1
	10.2	8.7	9.8	9.4	9.6	10.8
orides %	19.4	19.7	19.7	19.6	19.6	19.6
	4.5	5.2	5.1	5.0	4.1	5.5

cation of Dumping

6/24/73	7/21/73	8/25/73	9/23/73	10/27/73	12/9/73
645 CDT	745 CDT	720 CDT	845 CDT	850 CDT	720 CST
28° 20' N	28° 17' N	28° 5' N	28° 18' N	28° 14' N	28° 10' N
89° 25' W	89° 20' W	89° 23' W	89° 23' W	89° 30' W	89° 26' W

6/24/73	7/21/73	8/25/73	9/23/73	10/27/73	12/9/73
1350 CDT	1645 CDT	1330 CDT	1530 CDT	1510 CDT	1423 CST
28° 18' N	28° 20' N	28° 14' N	28° 15' N	28° 08' N	28° 19' N
89° 20' W	89° 29' W	89° 21' W	89° 25' W	89° 21' W	89° 31' W

28° 0' N	28° 7' N	28° 20' N	28° 14' N	28° 17' N	28° 9' N
89° 15' W	89° 24' W	89° 21' W	89° 30' W	89° 20' W	89° 10' W

6/24/73	7/21/73	8/25/73	9/23/73	10/27/73	12/9/73
1145Z	1245Z	1220Z	1345Z	1350Z	1320Z
28° 20' N	28° 17' N	28° 5' N	28° 18' N	28° 14' N	28° 10' N
89° 25' W	89° 20' W	89° 23' W	89° 23' W	89° 30' W	89° 26' W

6/24/73	7/21/73	8/25/73	9/23/73	10/27/73	12/9/73
1850Z	2145Z	1830Z	2030Z	2010Z	1923Z
28° 18' N	28° 20' N	28° 14' N	28° 15' N	28° 08' N	28° 19' N
89° 20' W	89° 29' N	89° 21' W	89° 25' W	89° 21' W	89° 31' W

28° 0' N	28° 7' N	28° 20' N	28° 14' N	28° 17' N	28° 9' N
89° 15' W	89° 24' W	89° 21' N	89° 30' W	89° 20' W	89° 10' W

Jim Lytal	Jim Lytal	Jim Lytal	Jim Lytal	Jim Lytal	Jim Lytal
Magnolia I	Magnolia I	Magnolia I	Magnolia I	Magnolia I	Magnolia I
6/21/73	7/19/73	8/23/73	9/20/73	10/25/73	11/29/73
6/24/73	7/22/73	8/26/73	9/23/73	10/28/73	12/10/73

l under trip 1173 No. 6, departed from the port of Baton Rouge
 9, 1973 was delayed by engine trouble aboard the tug Jim Lytal
 ns were dumped 12/9/73.

hour Reports Required by Paragraph 7 of the General Conditions

	673 No. 1 700 346,500	773 No. 2 700 346,500	873 No. 3 700 346,500	973 No. 4 700 346,500	1073 No. 5 700 346,500	1173 No. 6 700 346,500
	57.9	56.4	65.4	66.0	66.7	64.1
	6.1	4.6	9.8	9.4	9.64	10.8
	10.8	13.5	*	*	*	*
	5.8	5.8	*	*	*	*
	*	*	5.1	5.0	4.1	5.5
Chlorides %	19.4	19.7	19.7	19.6	19.54	19.6
	<u>0.53</u>	<u>0.79</u>	<u>0.4</u>	<u>0.7</u>	<u>1.1994</u>	<u>1.76</u>
	100	100	100	100	100	100
	200,625	195,426	226,611	228,690	231,254	222,106
	21,135	15,939	33,957	32,571	33,403	37,422
	37,420	46,778	*	*	*	*
	20,100	20,097	*	*	*	*
	*	*	17,672	17,325	14,449	19,057
Chlorides	67,220	68,260	68,260	67,914	67,394	67,914
	<u>0.18</u>	<u>0.27</u>	<u>0.14</u>	<u>0.25</u>	<u>0.67</u>	<u>0.61</u>
)	346,500	346,500	346,500	346,500	346,500	346,500

730D009A dated August 3, 1973.